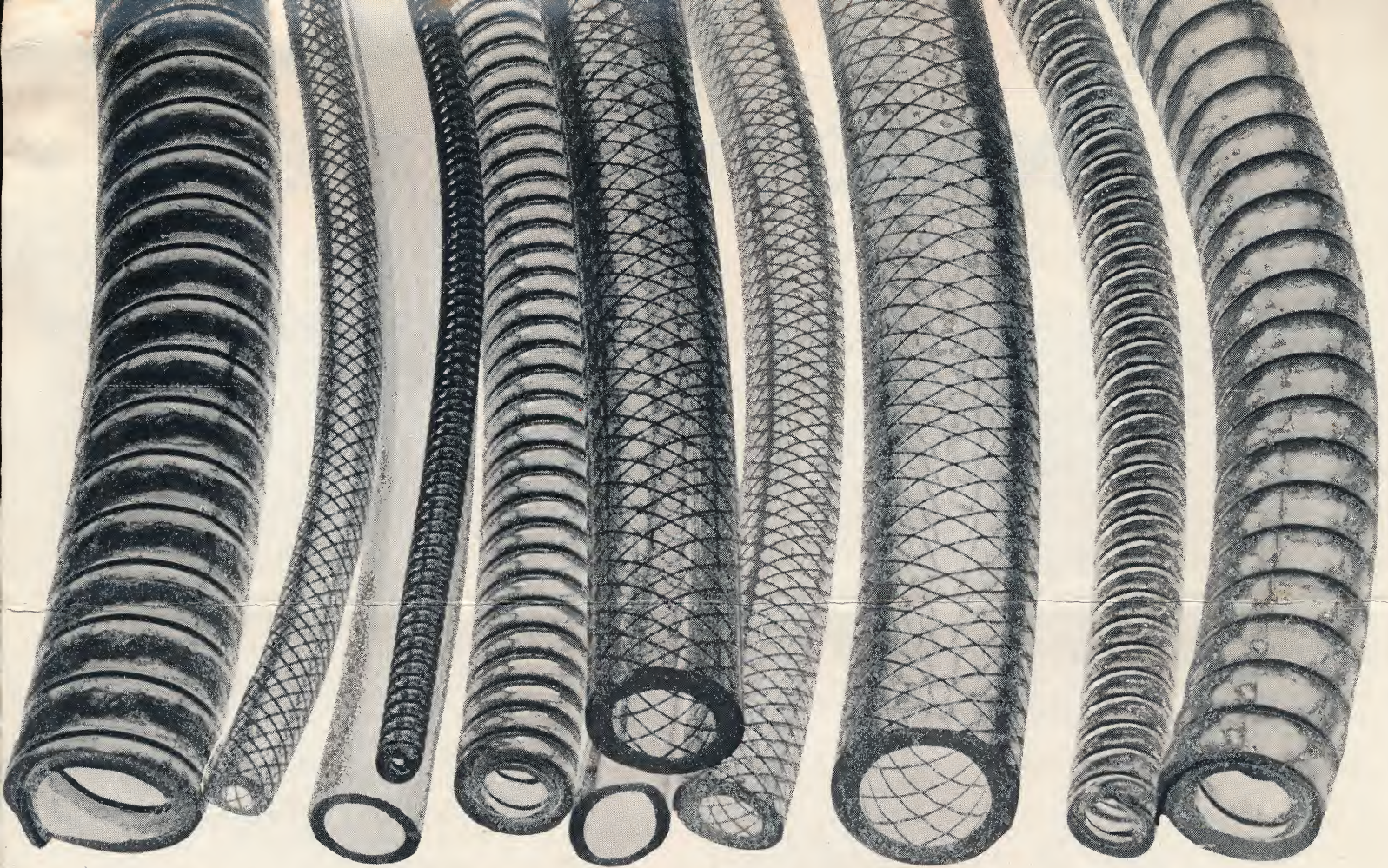




Corrosion Resistant PVC Tubing

NYLOBRADE
NYLON REINFORCED

CLEARFLO
UNREINFORCED

VARDEX
WIRE REINFORCED

AIR HOSE
BLACK NYLON
REINFORCED

NEWAGE INDUSTRIES INC.

TURNER 4-8494

JENKINTOWN 45, PENNA.

(Suburban)
PHILA.

TRANSPARENT PVC

NYLOBRADE

NYLON BRAIDED REINFORCED

**FOUR TIMES WORKING PRESSURE
OF UNREINFORCED PVC TUBING**

NYLON REINFORCED

Open mesh nylon braiding has been incorporated within the walls of P.V.C. tubing producing a clear pliable tubing capable of withstanding far higher pressures than standard P.V.C. tubing.

CHEMICAL RESISTANCE

Unaffected by most oxidizing and reducing agents. Dilute acids and alkalis have little effect, though if highly concentrated, tend to make tubing less pliable. Gasoline and oils have no material effect on Nylobrade. Excellent resistance to alcohols, aliphatic hydro carbons and mineral oils. Chlorinated solvents, esters, ketones, nitro-compounds and cyclic ethers tend to swell or dissolve the polymer. If chemical resistance is a major consideration and in question, we suggest in-plant tests.

GENERAL SPECIFICATIONS

Chemical content - Polyvinyl-chloride

Specific gravity - 1.24

Working temperature - 175°F. down to minus 5°F. At minus 50°F. hose will fracture if bent.

Fire resistance - Self extinguishing

FOOD & BEVERAGE

If you are having failures with your present food, syrup or beverage tubing, change to NLYOBRAD-EG. Its leather-like toughness will outlast unreinforced hose many times. It is transparent, flexible and non-contaminating in odor or taste. This food grade tubing also retains all of the physical advantages of industrial Nylobrade listed at the left.

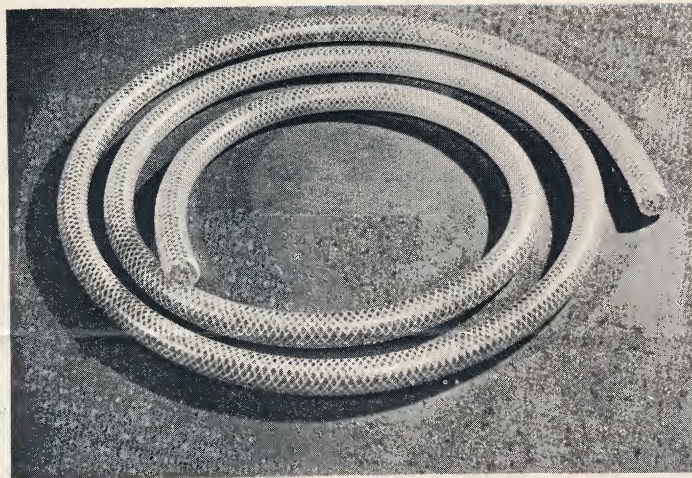
Nylobrade-EG is competitively priced in comparison to standard unreinforced P.V.C. tubing. Working pressures will be found combined with price list attached.

PRICE

All Newage Tubing is competitively priced. Check attached price list for quantity discounts. OEM discounts on application.

FITTINGS

Standard barbed insert fittings are recommended. Virtually any outside clamp or ferrule can be utilized in conjunction with the barbed insert. Care must be taken in selecting exact O.D. & I.D. when compression fittings are used. Nylobrade must fit I.D. and O.D. of a compression fitting snugly before tightening,



APPLICATIONS

PNEUMATIC LINES
LUBRICATION LINES
OIL and FUEL LINES
BEVERAGES

COOLANT LINES
HYDRAULIC LINES
WATER FEEDS
PAPER PULP LINES

SMOOTH INTERIOR

The non-porous almost mirror-smooth interior produces a relatively low surface tension permitting maximum flow and more complete drainage.

HIGHER PRESSURE

Bursting pressures range from 1,500 lbs. P.S.I. 1/8" i.d. to 500 lbs. P.S.I. for 1" i.d. size.

BURST PRESSURES (Room Temperature)

CODE	I.D.	BURST P.S.I.	CODE	I.D.	BURST P.S.I.
HN05	1/8"	1500	HN45	3/8"	900
HN10	3/16"	1000	HN50	1/2"	800
HN20	5/32"	1000	HN80	3/4"	700
HN30	1/4"	1200	HN90	1"	550
HN40	5/16"	950	HN100	1 1/4"	not tested

Working pressures can be calculated at between 25% and 30% of burst depending upon application. If pressure is a major consideration, in-plant tests should be made.

TRANSPARENT

NYLOBRADE is a clear P.V.C. tubing with the flexibility of rubber, leatherlike toughness, non-contaminating features of stainless steel and amazing long life. Nylobrade has 15 to 20 times the flex life as rubber.

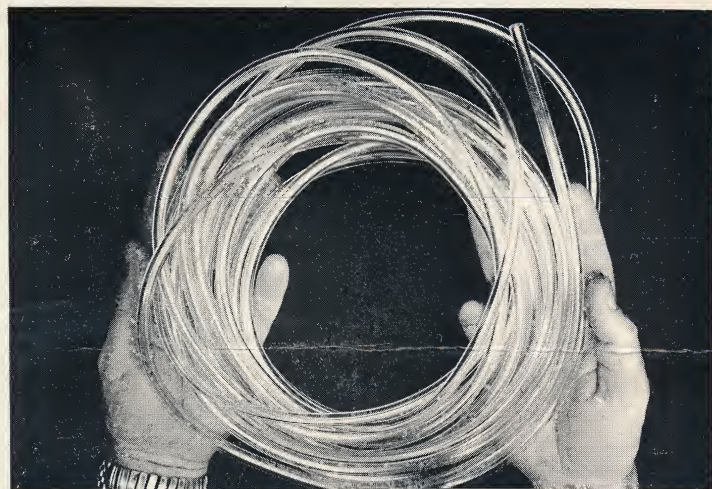
PROTECTED REINFORCEMENT

The Nylon braiding is completely protected by a smooth outside covering of P.V.C., thus shielding the mesh from dirt, dust, oil and other abrasive conditions detrimental to exterior mesh tubing.

TRANSPARENT PVC

CLEARFLO

UNREINFORCED



CLEAR-PURE PVC TUBING HIGH QUALITY-LOW COST

MANY ADVANTAGES

Transparent
Tough
Light Weight
Chemical Resistant

Age Resistant
Smooth
Flexible
Non-toxic

LABORATORY USES

Clearflo FG-1070 has wide applications in the field of laboratory and research work. P.V.C. tubing has become universal in the field. The loss factor through glass breakage is completely eliminated.

HOSPITAL AND SURGICAL

Clearflo FG-1070 complies with government regulations for content of lead and arsenic. It excels for use as anesthesia, drainage and conveyor tubing. It may be sterilized repeatedly at 20 lbs. stem pressure for 15 minutes.

APPLICATIONS

Industrial
Food and Beverage
Chemical Conveyance
Water Lines
Laboratory and Research
Medical
Refrigeration
Many Others

INDUSTRIAL APPLICATIONS

Clearflo - Industrial Grade meets all requirements where tubing is required for the transmission of liquids, gases and in some cases solids, where sight feeds are needed, where oxidation and adverse chemicals are used, where light weight is necessary, where rough handling will be encountered, where installations could require 1/64" to 6" diameters.

CHEMICAL RESISTANCE

Clearflo is designed to provide superior resistance to strong oxidizing and reducing acids, excellent resistance to mineral oils (see chemical resistance chart). Gasoline and oils have no material effect. Excellent resistance to alcohols, aliphatic and hydro carbons.

GENERAL PHYSICAL PROPERTIES

PROPERTIES	TEST METHOD ASTM	CLEARFLO-FG	CLEARFLO-IND
Specific Gravity		1.29	1.25
Tensile Strength, PSI	D 412	2400	2400
Elongation %	D 412	375	400
100% Modulus of elasticity, PSI	D 412	1000	800
Durometer Hardness, Shore A	D 676	75-80	60-65
Torsional Stiffness TF °C	D 1043	-25	-33
Brittle Temperature °C	D 746	-28	-32
Color		Crystal Clear	Clear
Aging Characteristics		Excellent	Excellent

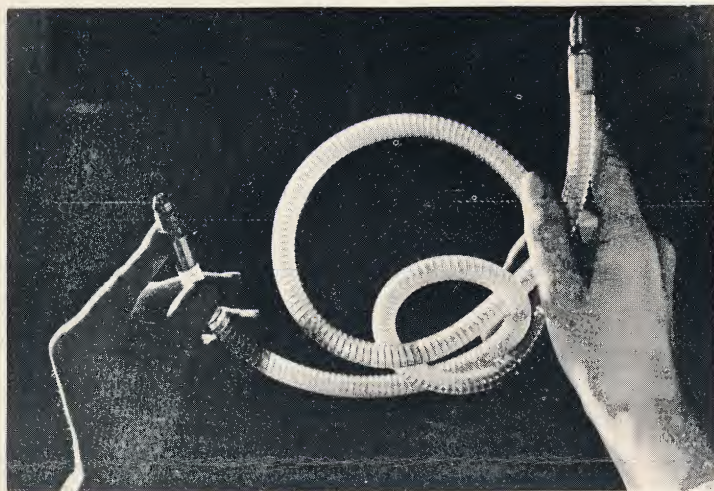
FOOD & BEVERAGE

Clearflo food grade (FG) is non-toxic. The materials used in its manufacture are selected from ingredients approved by the food and drug administration that will readily handle food and beverages. Its crystal clear glass smooth design in many applications is superior to stainless steel and glass. If tubing must be certified specify grade FG 1070. The mirror I.D. and O.D. finish prevents internal and external build-up. Cleaning is easily accomplished reducing the possibility of contamination. Flushing the bore with soap and water followed with a clean water rinse is generally sufficient to keep Clearflo free of contamination. If commercial cleaning agents including commercial dairy cleaners or bactericides are necessary they will not damage Newage tubing.

TRANSPARENT P V C

VARDEX

STEELWIRE REINFORCED



STEEL SPRING REINFORCED

Not exposed to the I.D. or the O.D. a steel wire is molded within the walls of Vardex producing a new type of uncrushable plastic tubing for a wide range of industrial uses.

APPLICATIONS

Excellent for vacuum lines, lubrication, oil, fuel and coolant lines, and air tools. Vardex is the answer for vibration problems or for any application where kinking and crushing is a major consideration. As an electrical conduit it is ideal in potent atmospheres where metal will corrode.

KINK PROOF

Distort it, knot it, compress it, the bore remains the same. It will bend around a 5/16" diameter spindle without reducing its internal bore. Excellent for sharp corners, complicated bends between parts of machinery.

COMPLETELY PLIABLE

Vardex has many of the qualities of metal tubing with the flexibility of rubber tubing. It is 100% weather proof. Fatigue kinks experienced with unreinforced tubing can not happen with Vardex.

CHEMICAL RESISTANCE

Has the same chemical resisting qualities as Nylobrade. It is unaffected by most oxidizing and reducing agents. Dilute acids and alkalis have little effect, though if highly concentrated, tend to make tubing less pliable. Gasoline and oils have no material effect on Vardex. Excellent resistance to alcohols, aliphatic hydro carbons and mineral oils. Chlorinated solvents, esters, ketones, nitro-compounds and cyclic ethers tend to swell or dissolve the polymer.

GENERAL SPECIFICATIONS

Chemical content - Polyvinyl-chloride
Specific gravity - 1.28
Tensile strength - 2,200 to 2,800 P.S.I.
Elongation at break - 325 to 375%
Working temperature 175°F. down to minus 5°F. At minus 50°F. hose will fracture.
Fire resistance - Self extinguishing
Steel reinforcement - 110 ton P.S.I. spring steel

LIGHTWEIGHT P V C

AIR HOSE

BLACK NYLOBRADE



APPLICATIONS

AIR FEED LINES
AIR TOOLS
COOLANT LINES
AIR ACTIVATING DEVICES

NYLON REINFORCED

Air Line Nylobrade (black) has the same nylon braided construction as transparent Nylobrade with working pressure up to 125 lbs. on all sizes.

PROTECTED REINFORCEMENT

Abrasive conditions detrimental to other outer-braided hose does not effect Nylobrade-AL because the nylon braiding is completely protected by a smooth outside covering of P.V.C.

FLEXIBILITY

Nylobrade-AL is easy to handle because it is 25% to 40% lighter than rubber hose. It can not be damaged by crushing. It will not crack, peel, rot, chip or harden. It is smooth inside and out making it easy to keep clean.

CHEMICAL RESISTANCE

Gasoline and other oil products have no material effect on Nylobrade-AL. Corrosive atmospheres have no deteriorating effects. The non-porous almost mirror-smooth interior produces a low-surface tension permitting the free flow of air. See price list folder for complete resistance chart.

FITTINGS

Standard barbed insert fittings are recommended. Virtually any outside clamp or ferrule can be utilized in conjunction with the barbed insert.

Information contained in this folder is based upon test reports and presented in good faith, however no guarantees are expressed or implied.

INDUSTRIAL PRICE LIST

1963

NEWAGE FLEXIBLE PLASTIC TUBING

QUANTITY DISCOUNT SCHEDULE

UNDER 50 FT - NET

250 TO 499 FT - LESS 15%

50 FT TO 249 FT - LESS 10%

OVER 500 FT - LESS 20%

NYLOBRADE

ORDER by
CODE AND SIZE

CLEAR NYLON BRAIDE REINFORCED P.V.C.

PRICES
PER 100 FEET

I.D.	O.D.	WORKING P.S.I./70°	WT. PER C/FT.	CLEAR INDUSTRIAL		CLEAR FOOD GR.	
				CODE	PRICE	CODE	PRICE
1/8	.325	375	3-3/4 Lbs.	HN05	\$ 13.50	HNB05	\$ 18.00
3/16	13/32	250	5	HN10	18.50	HNB10	26.00
5/32	13/32	250	5-1/4	HN20	20.00	HNB20	28.00
1/4	1/2	300	9	HN30	25.50	HNB30	35.50
5/16	9/16	240	11	HN40	30.00	HNB40	42.00
3/8	5/8	225	11-1/2	HN45	33.50	HNB45	47.00
1/2	13/16	200	20	HN50	54.00	HNB50	70.00
5/8	1"	180	25	HN70	73.00	HNB70	95.00
3/4	1-1/8	175	28	HN80	91.00	HNB80	118.00
1"	1-1/2	135	47	HN90	135.00	HNB90	180.00
1-1/4	1-3/4	100	70	HN100	184.00	HNB100	240.00

VARDEX

STEEL SPRING REINFORCED CLEAR P.V.C.

I.D.	O.D.	WK. P.S.I.	WT./C/FT.	CODE	PRICE	
1/8	5/16	175	4-1/4 lbs.	H05	20.00	VarDEX
3/16	13/32	75	6-1/4	H10	22.00	Not
5/32	3/8	80	6-1/4	H20	22.00	Available
1/4	1/2	100	10	H30	31.50	In
3/8	3/4	80	18	H45	62.00	Food
1/2	7/8	70	29	H50	87.00	Grade
3/4	1-1/4	60	48	H80	152.00	
1"	1-7/16	50	64	H90	260.00	

AIR HOSE....BLACK NYLOBRADE

NYLON BRAIDE REINFORCED BLACK P.V.C.

3/16	7/16	125	8 lbs.	AL15	14.50	Working
1/4	1/2	125	9-3/4	AL30	17.25	Pressure
5/16	9/16	125	10	AL40	23.25	125 PSI
3/8	5/8	125	13-1/4	AL45	27.50	
1/2	.850	125	23	AL50	46.00	

NOTE: - Listed sizes are normally stocked. Orders totalling less than \$10.00, add 20% handling charge. Discounts will be calculated on the total footage of all sizes in single shipments. When unable to make complete shipment as ordered, the discount will be based on the total quantity ordered and not quantity shipped. Prices are F.O.B. Jenkintown, Pa. and are subject to change without notice.

CLEARFLO TUBING

CLEAR UNREINFORCED P.V.C.

QUANTITY DISCOUNT

500 FT - 999 FT - 25% UNDER 100 FT - NET
100 FT - 499 FT - 15% MINIMUM ORDER \$10.00

Prices per 100 feet

ORDER BY CODE AND SIZE

STANDARD LENGTHS

SIZE 1...200 FT. - SIZES 2 TO 38 100' - 39 AND UP 50'

I.D.	O.D.	WALL	WK. PSI RM. TEMP.	FEET PER LBS.	CLEAR INDUSTRIAL		CLEAR FOOD GRADE	
					CODE	PRICE	CODE	PRICE
.120	170	025	15	150'	---	---	1FG	\$ 2.90
1/8	1/4	1/16	68	50'	2C	\$ 4.65	2FG	7.00
3/16	5/16	1/16	55	37'	3C	6.45	3FG	9.45
3/16	3/8	3/32	70	22'	---	---	4FG	13.25
3/16	7/16	1/8	80	15'	5C	15.60	5FG	20.70
1/4	3/8	1/16	55	30'	6C	7.90	6FG	12.50
1/4	7/16	3/32	60	18'	7C	12.80	7FG	16.65
1/4	1/2	1/8	70	12'	8C	18.95	8FG	23.10
5/16	7/16	1/16	50	25'	9C	9.50	9FG	13.80
5/16	1/2	3/32	60	15'	10C	15.45	10FG	19.80
5/16	9/16	1/8	70	10'	11C	21.90	11FG	24.50
3/8	1/2	1/16	40	21'	12C	10.95	12FG	16.20
3/8	9/16	3/32	50	13'	13C	17.60	13FG	21.05
3/8	5/8	1/8	65	10'	14C	25.10	14FG	30.15
7/16	9/16	1/16	40	19'	---	---	15FG	19.00
7/16	5/8	3/32	45	11'	---	---	16FG	23.45
7/16	11/16	1/8	50	8'	---	---	17FG	33.60
1/2	5/8	1/16	30	16'	18C	14.15	18FG	19.80
1/2	11/16	3/32	40	10'	19C	22.35	19FG	26.68
1/2	3/4	1/8	45	7'	20C	31.40	20FG	38.65
1/2	13/16	5/32	65	5'	21C	41.05	21FG	52.55
9/16	3/4	3/32	40	9'	---	---	22FG	33.25
9/16	13/16	1/8	45	6.5'	---	---	23FG	44.15
9/16	7/8	5/32	55	4.8'	---	---	24FG	57.55
5/8	13/16	3/32	35	8'	25C	27.05	25FG	36.70
5/8	7/8	1/8	40	6'	26C	37.50	26FG	48.00
5/8	15/16	5/32	50	4.5'	27C	49.95	27FG	58.10
11/16	7/8	3/32	30	7.5'	---	---	28FG	39.90
11/16	15/16	1/8	35	5'	---	---	29FG	48.70
11/16	1	5/32	40	4.2'	---	---	30FG	63.50
3/4	1	1/8	35	5'	31C	43.80	31FG	52.60
3/4	1-1/16	5/32	40	4'	32C	56.70	32FG	67.85
7/8	1-1/8	1/8	30	4.4'	33C	49.90	33FG	60.85
7/8	1-3/16	5/32	35	3.4'	34C	65.00	34FG	77.30
1	1-1/4	1/8	28	3.9'	35C	56.45	35FG	67.60
1	1-5/16	5/32	32	3'	36C	72.15	36FG	86.65
1	1-3/8	3/16	45	2'	---	---	37FG	106.95
1	1-1/2	1/4	25	1'	38C	124.90	38FG	149.75
1-1/4	1-7/16	3/32	38	4'	---	---	39FG	82.80
1-1/4	1-3/4	1/4	45	1'	40C	149.85	40FG	179.40
1-1/2	2	1/4	30	1'	41C	176.70	41FG	211.35
1-3/4	2-1/4	1/4	32	1'	S41C	199.65	S41FG	240.50
2	2-1/2	1/4	40	1'	42C	224.70	42FG	270.00

INDUSTRIAL PRICE LIST

1963

NEWAGE FLEXIBLE PLASTIC TUBING

QUANTITY DISCOUNT SCHEDULE

UNDER 50 FT - NET 250 TO 499 FT - LESS 15%
50 FT TO 249 FT - LESS 10% OVER 500 FT - LESS 20%

ORDER by
CODE AND SIZE

NY LOBRADE

CLEAR NYLON BRAIDE REINFORCED P.V.C.

PRICES
PER 100 FEET

I.D.	O.D.	WORKING P.S.I./70°	WT. PER C/FT.	CLEAR INDUSTRIAL		CLEAR FOOD GR.	
				CODE	PRICE	CODE	PRICE
1/8	.325	375	3-3/4 Lbs.	HN05	\$ 13.50	HNB05	\$ 18.00
3/16	13/32	250	5	HN10	18.50	HNB10	26.00
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3/8	5/8	225	11-1/2	HN45	33.50	HNB45	47.00
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3/4	1-1/8	175	28	HN80	91.00	HNB80	118.00
1"	1-1/2	135	47	HN90	135.00	HNB90	180.00
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VARDEX

STEEL SPRING REINFORCED CLEAR P.V.C.

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5/32	3/8	80	6-1/4	H20	22.00	Available
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1/2	7/8	70	29	H50	87.00	Grade
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5/16	9/16	125	10	AL40	23.25	125 PSI
3/8	5/8	125	13-1/4	AL45	27.50	
1/2	.850	125	23	AL50	46.00	

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New Nylon-11 tubing as reviewed by "Electronics Science Preview" magazine



Product of the month



If this new feature were titled "Technical Editor's Choice" it might be even more pertinent. Regardless of the handle, here's the one place in the magazine where the product does not seek the editor, but the editor seeks the product. So don't try to flood him with material for this department. He'll ignore it. But look out. The next knock you hear may be the tech editor rapping on YOUR door. — Publisher.

A NEW NYLON TUBING, NYLOTUBE-11, from Newage Industries Inc. meets the demand for a lighter, more flexible nylon tubing with greater resistance to embrittlement than standard nylon. Long life is maintained by the absence of *cycles-of-water* absorption and depletion—the cause of brittleness in most nylon tubing. Life expectancy is increased through retention of flexibility.

New applications are being discovered almost daily: It replaces standard 6 & 66 nylon tubing, PVC, copper, stainless steel, and lends itself to *bundling within channels* and *tubular casings for instrumentation* and hydraulic applications.

Within the area of low and medium frequencies, it retains good electrical properties because of its relatively low water absorption. These *properties are retained under extreme humidity*. Under a continuous potential difference of 1000v, at 70° F humidity 65% value obtained is 1.5×10^{10} ohms cm^2/cm . Dielectric strength of a dry section at 70° F shows breakdown potential at 50c/s is 17K volts/mm at 3 mm thickness, 58K volts/mm at 0.2mm thickness.

Dielectric Constant (1,000 cycles per second) is 5.9.

Although thermoplastic materials tend to have an indistinct melting point, NYLOTUBE-11 is characterized by a fusion which is distinct. It reaches a temperature of 367° F without apparent change, after which melting occurs within a very narrow range. It may be used in continuous service with a good margin of safety at temperatures in the range of 200° F and limited periods of temperature from 200° F to 212° F. The specific gravity is 1.04.

NYLOTUBE-11 has a relatively high impact strength. The NF flexible grade is particularly shock resistant, being virtually unbreakable even at low temperatures. Embrittlement occurs at minus 172° F.

In tests, NYLOTUBE-11 has proved to be 7 times more flexible, 10% lighter, non-embrittling, and attains smaller bend radii than standard nylon tubing. Its advantages over conventional tubing: pressure rating per weight unit extremely high; added flexibility for adverse installations; maximum resistance to flex and vibration fatigue; 9 times lighter than copper, preblending eliminated during installation; wide temperature range; low cost compared to other flexible tubing with comparable burst; extremely low water absorption (1.9% max. 100% humidity).

Heat and light stabilized NYLOTUBE-11 is produced in a black heat and light stabilized compound.

Circle 100

Send enclosed
card for sample,
specifications
and price \$
Write "Nylotube-11".

NEWAGE/INDUSTRIES INCORPORATED



709 GREENWOOD AVE., JENKINTOWN, PA. 19046
Cable Address: NEWAPOWER Telephone 215-TU 4-8494

SERVING THE NATION WITH ADVANCED EQUIPMENT FOR INDUSTRY

INTERLOCKING SYSTEM CO.
T. H. Nelson, Sys. Eng.
P.O. Box 1546
Poughkeepsie 3, N. Y.

Gentlemen:

Introducing a complete new and exclusive line of clear P.V.C. tubing, we have enclosed for your consideration specifications, samples and prices. We shall be happy to forward O.E.M. quantity prices upon application.

NYLOGRADE has been developed to allow approximately 4 times the working pressure of clear unreinforced Tygon-type tubing yet retain the transparent feature of clear P.V.C. Available in Industrial and Food grade. Largest i.d. - 1-1/4 inch.

VARDEX has all the features of clear P.V.C. plus advantages of being kink proof and ideally suited for vacuum applications.

CLEARFLO is our low-cost-general-purpose-unreinforced-clear P.V.C. corresponding to Tygon-type tubing. Available in clear Industrial grade and non-toxic Food grade. Should you require unreinforced clear P.V.C., check the enclosed price list against your present tubing costs. A sample order will prove to you that Newage Tubing is a quality P.V.C. tubing at the right price.

AIRLINE HOSE is black Nylobrade, highly resistant to oils, dirt and abrasion. For a few cents more than rubber hose, black P.V.C. Nylobrade will out-perform rubber in all respects. Order a sample length and appreciate the advantages.

All tubing is shipped from stock.

Sincerely,

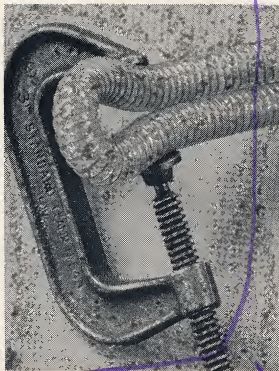
Raymond E. Baker
General Manager

REB/ar
Enc.

WIRE REINFORCED TRANSPARENT P.V.C. TUBING

FLEXIBLE • CRUSH PROOF • TRANSPARENT

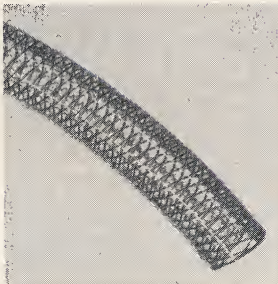
VARDEX, an entirely new kink-proof reinforced plastic hose (P.V.C.). Tempered steel spring within its walls, not exposed to either surface. Working pressure from 50 to 200 p.s.i., depending upon size. Sizes from $\frac{1}{8}$ " to 1" available. Extremely tough and resistant to oil, grease, gasoline, acids, alkalis, etc. Ask for specifications, prices and free samples.



NYLON REINFORCED TRANSPARENT P.V.C. TUBING

HIGHER PRESSURE • NYLON BRAIDED

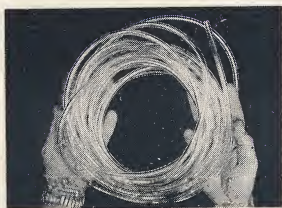
NYLOBRADE consists of open mesh nylon braiding incorporated within the walls of clear P.V.C. Capable of withstanding far higher pressures than standard P.V.C. tubing. Bursting pressures from 1500 p.s.i. $\frac{1}{8}$ " I.D. to 500 p.s.i. 1" I.D. Excellent resistance to chemicals. Smooth interior. Sizes $\frac{1}{8}$ " I.D. to $1\frac{1}{4}$ " I.D. Write for sample.



TRANSPARENT P.V.C. UNREINFORCED TUBING

LOW COST • CLEAR P.V.C.

CLEARFLO has 15 to 20 times the flex-life of rubber and has excellent age resistant qualities. Non-porous, smooth I.D. and O.D. produce relatively low surface tension permitting maximum flow and more complete drainage. Excellent resistance to alcohols, aliphatic hydrocarbons, gasoline and oils. Sizes $\frac{1}{8}$ " I.D. to 2" I.D. Write for sample.



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NEWAGE INDUSTRIES, Inc.
709 Greenwood Avenue, Jenkintown 6, Pa.

PORTABLE METAL HARDNESS TESTER

TEST ANY SIZE, SHAPE ANYWHERE

Make hardness test with one easy motion. No base plate, pressure-screw, clamp attachment, conversion charts needed. Simply press handgrips down and read direct hardness on dial. Individually calibrated to give utmost accuracy corresponding to Rockwell A, B, C Scales and the Brinell Scale.



HIGH SPEED TURBINE GRINDER

70,000 RPM

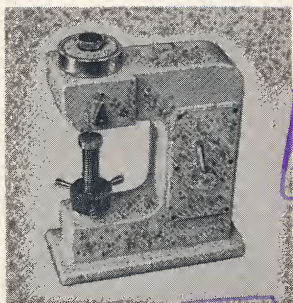
Light duty "balanced design" grinder removes metal extremely fast with light touch. Especially suited for tool and die makers requiring a grinder for intricate hand work such as deburring, cutting, polishing, engraving, etc. The unique turbine design produces the high speed necessary for easy metal removal. Weight 12½ oz. Handles like a pencil. Write for details.



NEWAGE MICROHARDNESS TESTER

LOST COST • NEW CONCEPT

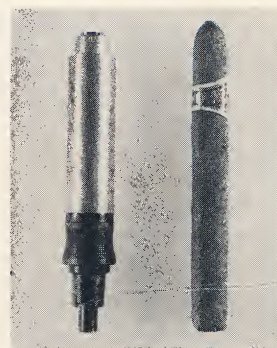
Vickers Microhardness Testing. Direct readings on a dial corresponding to Vickers can be secured without microscopic apparatus in 15 seconds. Surface layers or sheet metal as thin as .001" depending upon hardness may be checked with accuracy.



MINIATURE SCREWDRIVER - REVERSIBLE

CIGAR SIZE

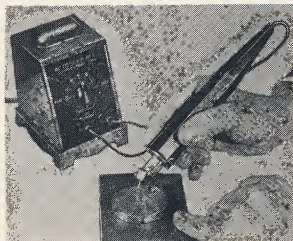
Air operated, automatic, light weight, high speed, miniature screwdriver is now available for fast assembly work. Excellent for small missile instruments, clocks, cameras, radar, radio, electrical and household appliances, calculators—similar machinery and instruments. Instant automatic torque at 14,000 RPM when touched to screw or nut. Work load limit—free running screws no. 1 to 8 and equivalent nuts. Weight 8 oz., has an impact non-slip clutch Air reducing valve sets torque.



ALL PURPOSE METAL MARKING PEN

GUARANTEED to ARC ETCH ANY METAL

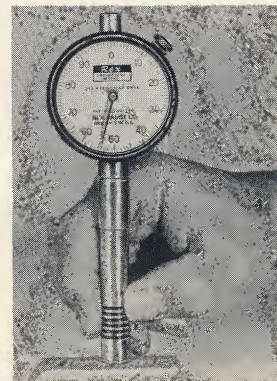
The ACTOGRAP PEN will mark all metals soft or hard, hardened-ferrous, non-ferrous, gold and silver, etc. An exclusive control permits this instrument to etch with the lightness of a fountain pen. Quickly engrave tools, parts, etc. Prevent thefts. Pen does not heat up.



RUBBER/PLASTIC HARDNESS TESTER

ACCURATE • FAST

REX rubber/plastic tester is easy to use, permanently calibrated to produce enduring accuracy. This low-cost tester requires no adjustments. Rugged design, non-corrosive parts assure readings of $\pm \frac{1}{2}$ durometer point consistently and indefinitely. Cold flow or creep characteristics easily read by action of large dial hand.



NEWAGE INDUSTRIES INC., JENKINTOWN 6, PA.

Return Attached Reply Card For Detailed Information and Prices.